

Converting Colors

XYZ(49.7902, 37.8701, 52.9912)

Have a look what the booklet for
XYZ(49.7902, 37.8701, 52.9912)
contains.

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Color

**XYZ(49.8095, 37.8963,
52.8336)**

Conversions

Conversions Part 1

Format	Color
Hex	E389BD
RGB	227, 137, 189
RGB Percent	89%, 54%, 74%
CMY	0.1098, 0.4627, 0.2588
CMYK	0.00, 0.40, 0.17, 0.11
HSL	325°, 62%, 71%
HSV	325°, 40%, 89%
XYZ	49.8095, 37.8963, 52.8336
YIQ	169.8380, 36.9480, 35.2520

Conversions

Conversions Part 2

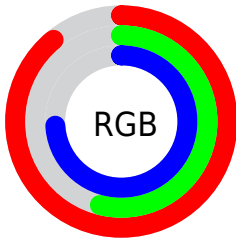
Format	Color
R _Y B	227, 137, 189
Decimal	14911933
CIE Lab	67.94, 41.29, -12.43
CIE LCh	68, 43.117, 343.244
Yxy	37.8963, 0.3544, 0.2696
Android (android.graphics.Color)	4293102013 (0xFFE389BD)
YUV	169.8380, 9.4469, 50.1311
Hunter-Lab	61.5600, 36.6983, -7.7934

Details

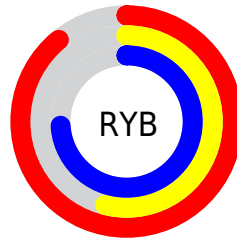
The XYZ color **49.8095, 37.8963, 52.8336** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **45.5251, 63.3527, 50.3891**, and the grayscale version is **38.0704, 40.0530, 43.6177**.

A 20% lighter version of the original color is **76.5711, 65.5518, 95.0032**, and **24.2700, 16.8206, 25.2601** is the 20% darker color. If you saturate the color by 10%, you get **45.9094, 31.7062, 46.5689**, and if you desaturate by 10%, it is **54.4594, 45.4750, 59.6883**.

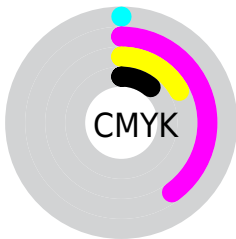
Distribution



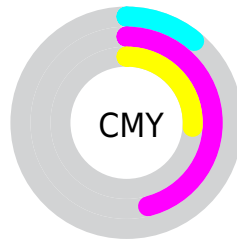
- Red (89%)
- Green (54%)
- Blue (74%)



- Red (89%)
- Yellow (54%)
- Blue (74%)



- Cyan (0%)
- Magenta (40%)
- Yellow (17%)
- Black (11%)





- Cyan (11%)
- Magenta (46%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.8095, 37.8963, 52.8336 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 49.8095, 37.8963, 52.8336 by changing the saturation by 10% instead.

 49.8095, 37.8963,
52.8336


 49.8095, 37.8963,
52.8336


376.3848,
337.1749, 414.6946


 35.4792, 25.9022,
37.2831

 89.0861, 71.9492,
95.7985

 24.2005, 16.7505,
25.1293


 114.7631, 94.7767,
124.0501

 15.6080, 10.0568,
15.9535


 144.9531,
121.9843, 157.3724

 9.3363, 5.4366,
9.3373

180.0214,
153.9561, 196.1840

 5.0200, 2.5056,
4.8620

220.3333,
191.0767, 240.9035

 2.2939, 0.8795,
2.1092

266.2543,

 0.7915, 0.0000,

233.7305, 291.9494

0.6212

318.1497,
282.3017, 349.7403

■ 0.0000, 0.0000,
0.0000

■ 49.8095, 37.8963,
52.8336

■ 49.8095, 37.8963,
52.8336

■ 45.9094, 31.7062,
46.5689

■ 54.4594, 45.4750,
59.6883

■ 42.7115, 26.8130,
40.8707

■ 59.8961, 54.5158,
67.1505

■ 40.1678, 23.1223,
35.7166

■ 66.1583, 65.0935,
75.2396

■ 38.2222, 20.5244,
31.0811

■ 73.2810, 77.2759,
83.9732

■ 36.8087, 18.8894,
26.9350

■ 81.2970, 91.1272,
93.3683

■ 35.8176, 18.0005,
23.2343

■ 84.1518, 94.5362,
101.4123

■ 35.7858, 17.9738,
23.1097

■ 85.4888, 95.0710,
108.4525

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.5809, 37.8963, 74.3770



49.8095, 37.8963, 52.8336



50.0635, 37.8963, 33.3776

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



49.8095, 37.8963, 52.8336



33.1491, 37.8963, 14.7693



27.4301, 37.8963, 72.0349

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



49.8095, 37.8963, 52.8336



45.5251, 63.3527, 50.3891

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



24.8829, 37.8963, 50.3009



49.8095, 37.8963, 52.8336



27.8981, 37.8963, 19.8073

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



49.8095, 37.8963, 52.8336



39.8606, 37.8963, 15.0661



25.0428, 37.8963, 31.5179



32.4331, 37.8963, 87.6051

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



49.8095, 37.8963, 52.8336



47.8975, 37.8963, 24.1681



25.0428, 37.8963, 31.5179



26.2877, 37.8963, 64.9604

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



49.8106, 37.8981, 52.8344



84.0422, 81.2022, 95.3110



40.3796, 32.4956, 76.8176



17.7532, 16.9822, 20.0997



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



49.8106, 37.8981, 52.8344



60.3902, 42.2527, 61.6711



45.6980, 36.2530, 31.1774



14.7243, 14.5069, 16.7487



20.9297, 10.5061, 13.7909



1.5928, 0.7948, 1.2623

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49.8106, 37.8981, 52.8344



60.3902, 42.2527, 61.6711



50.6390, 65.3983, 77.3184



14.7243, 14.5069, 16.7487



20.9297, 10.5061, 13.7909



1.5928, 0.7948, 1.2623

Previews

White Background



This preview shows how the XYZ color 49.8095, 37.8963, 52.8336 looks on a white background.

Color Contrast Check

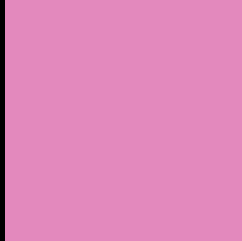
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 49.8095, 37.8963, 52.8336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

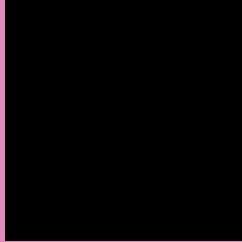
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.8095, 37.8963, 52.8336

Background



This preview shows how black text looks on a background with the XYZ color 49.8095, 37.8963, 52.8336.



This preview shows how white text looks on a background with the XYZ color 49.8095, 37.8963,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

49.8095, 37.8963, 52.8336

Protanopia

38.2482, 38.1238, 64.3742

Deuteranopia

38.9109, 38.2277, 51.2268



Tritanopia

46.2374, 37.9676, 35.4633

Trichromacy



Original Color

49.8095, 37.8963, 52.8336



Protanomaly

41.2723, 37.2264, 59.6537



Deuteranomaly

42.2465, 37.6651, 51.4978



Tritanomaly

47.2404, 37.6871, 41.3437

Monochromacy



Original Color

49.8095, 37.8963, 52.8336



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

41.6485, 38.7044, 46.8706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.8095, 37.8963, 52.8336 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(227, 137, 189)` looks like.

```
.text, #text, p{  
    color:rgb(227, 137, 189)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(227, 137, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 137, 189) }
```

Border

The CSS property to change the border of an element to XYZ 49.8095, 37.8963, 52.8336 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(227, 137, 189) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(227, 137, 189) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(227, 137, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 137, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 137, 189);  
box-shadow:4px 4px 4px 4px rgb(227, 137,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 49.8095, 37.8963, 52.8336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 137, 189) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(227,  
137, 189) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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